



# OS-2BOSE

rev. 1.1.1  
General Motors Class II OnStar® and BOSE Interface  
Installation Instructions.



The OS-2BOSE is a plug and play interface that allows replacement of a General Motors Class II factory stereo. It will maintain operation of the OnStar® system, BOSE amplifier and speakers. The OS-2BOSE has on board switching to allow audio from the OnStar® system to play through the two front factory speakers when OnStar® is active. Retains door chimes when used with PAC's optional CM1 chime module. Also retains Vehicle Parking Assist chimes.

- Safe & Sound Class II circuitry will not disable vehicle data bus even if interface loses power.
- OnStar® active LED and Ignition on LED
- Provides +12v switched accessory output. No more searching for switched +12v in fuse box or kick panel.
- Smart Sense Mute output to either mute the aftermarket radio or to turn it off when OnStar® is active.
- OnStar® Volume control via factory steering wheel audio controls on selected vehicles\*. Radio controls can be retained to control new radio by using the SWI-X.
- New radio will operate with the vehicle RAP (Retained Accessory Power) system. The radio stays on after the key is turned off and stays on for approximately 10 minutes or until a door is opened.

Note:

1. The OS-2BOSE does not retain the factory XM receiver, rear seat controls/headphones or rear seat DVD. You will lose these options when the factory radio is replaced with an aftermarket radio.
2. You may use this interface even if the vehicle does not have OnStar® but need to interface the BOSE amplifier.
3. If you are not retaining the BOSE amplifier, use the OS-2 interface instead of this OS-2BOSE interface.

## Installation

**Please adjust the fading, balance and tone controls to the center position prior to removing the factory radio.**

Find your vehicle listed below and use the option required.

**Option 1** - \* 2003 H2, Denali, Escalade, Yukon Denali and Sierra Denali. \* 2001-2003 Trail Blazer and Envoy SLT.

**Option 2** - 2003 Avalanche, Suburban, Tahoe and Yukon SLT. These vehicles require an optional CM1 chime module if door chimes want to be retained.

Note: New vehicles are constantly being researched. If your vehicle is not listed above, check our website for any new updates or instructions.

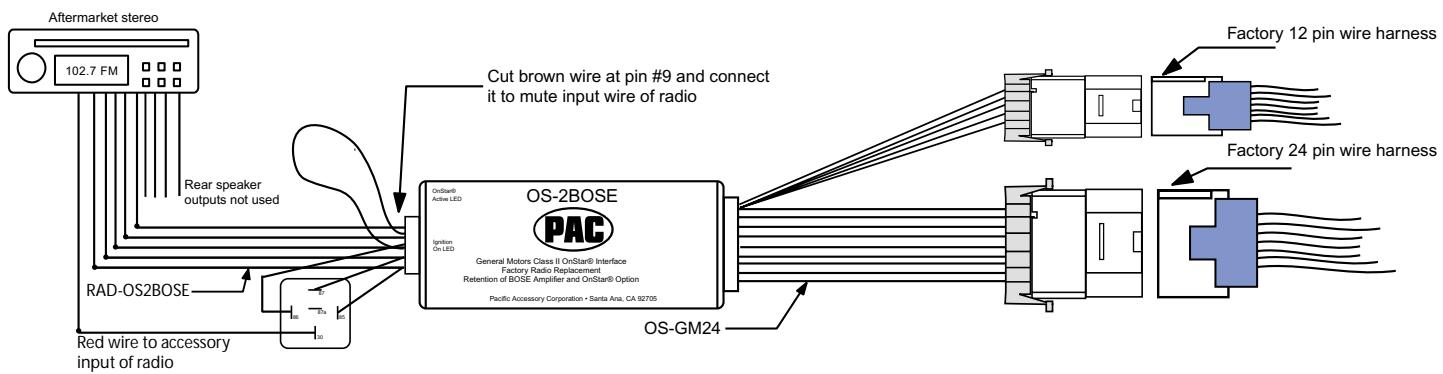
### Option 1: Connecting the OS-2 to the vehicle's Premium BOSE amplifier.

#### Step 1.

Pre wire the RAD-OS2BOSE wire harness to the aftermarket stereo wire harness. If the aftermarket stereo has a mute wire, cut the brown wire as close as possible to pin #9 of the RAD-OS2BOSE and connect the mute output to the stereo's mute wire. The rear outputs are not used for this application.

#### Step 2.

After connecting the RAD-OS2BOSE and OS-GM24 wire harness to the OS-2 main interface, connect the OS-GM24 connector to the factory harness.



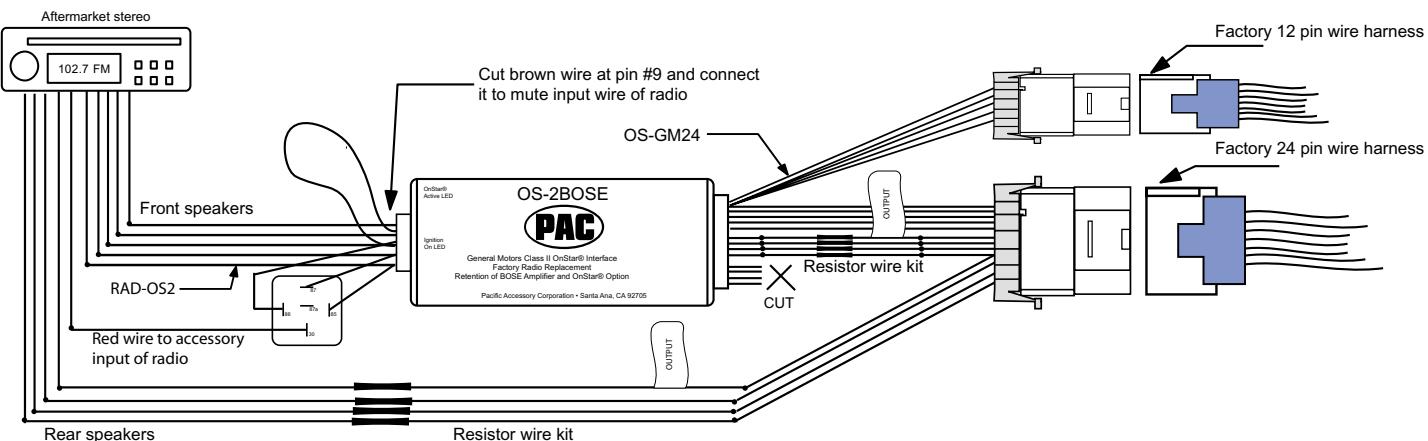
## Option 2: Connecting the OS-2 to the vehicle's BOSE amplifier.

### Step 1.

Pre wire the RAD-OS2BOSE wire harness to the aftermarket stereo wire harness. If the aftermarket stereo has a mute wire, cut the brown wire as close as possible to pin #9 of the RAD-OS2BOSE and connect the mute output to the stereo's mute wire. Supplied is a resistor wire kit. You will need to cut and splice the resistor wire kit on the OS-GM24 wire harness like illustrated below. Splice in the resistor kit, color for color while making sure the output side of kit is towards the factory wire harness.

### Step 2.

After connecting the RAD-OS2BOSE and OS-GM24 wire harness to the OS-2 main interface, connect the OS-GM24 connector to the factory harness.



### Testing and Verifying Operation

1. Turn ignition on. The green ignition On LED on the side of the interface will turn on and the +12v accessory wire will turn on.
2. Turn on the radio and check balancing and fading. Note: **Option 1** vehicles will not fade as the rear outputs of aftermarket radio can not be used.
3. Pressing the OnStar® button will mute or turn off the new radio, and allow the audio to be heard in the two front speakers. The OnStar® active red LED will also turn on. When OnStar® disconnects, the radio will un-mute or turn back on and the OnStar® LED will turn off. Note: **Option 1** vehicles have 5 volume adjustment levels for OnStar® audio which is controlled through the volume controls on the steering wheel.
4. Turn off vehicle and remove key. RAP will be active and keep the radio on for 10 minutes or until a door is opened.
5. The green LED and radio will turn off.

### NOTES:

1. The OS-2BOSE does not retain the factory XM receiver or rear seat DVD. You will lose the XM/DVD option when the factory radio is replaced with an aftermarket radio.
2. You may use this interface even if the vehicle does not have OnStar® but need to interface the BOSE amplifier.
3. If you are not retaining the BOSE amplifier, use the OS-2 interface instead of this OS-2BOSE interface.

### Oil Life System Reset Procedures Using Accelerator Pedal.

1. Turn the ignition to ON, with the engine off.
2. Fully press and release the accelerator pedal three times within five seconds.
3. If the CHANGE ENGINE OIL light message flashes, the system is reset. However, if it stays on, it did not reset. You'll need to refer to the vehicle's owners manual or your local GM dealership.

**DISCLAIMER:** Under no circumstances shall the manufacturer or the distributors of the OS-2 parts be held liable for consequential damages sustained in connection with the OS-2. The manufacturer and its distributors will not, nor will they authorize any representative or any other individual to assume obligation or liability in relation to the OS-2 other than its replacement.

16 pin OS-GM24 output harness

WIRE COLOR	CIRCUIT	PIN NUMBER	CIRCUIT	WIRE COLOR
ORANGE	ILLUMINATION	8	16	N/A
PURPLE/WHT	CLASS II DATA	7	15	12 CONSTANT
BLACK	GROUND	6	14	Amplifier remote
PURPLE/BLK	RIGHT REAR (-)	5	13	PURPLE
GREEN/BLK	LEFT REAR (-)	4	12	LEFT REAR (+)
BROWN/WHT	OnStar Mono(-)	3	11	OnStar Mono(+)
GRAY/BLK	RIGHT FRONT (-)	2	10	RIGHT FRONT (+)
WHITE/BLACK	LEFT FRONT (-)	1	9	LEFT FRONT (+)

12 pin RAD-OS2BOSE Input harness

WIRE COLOR	CIRCUIT	PIN NUMBER	CIRCUIT	WIRE COLOR
WHITE/BLACK	LEFT FRONT (-)	6	12	LEFT FRONT (+)
GRAY/BLACK	RIGHT FRONT (-)	5	11	RIGHT FRONT (+)
BLACK & Relay #85	GROUND	4	10	MUTE OUTPUT (-)
ORANGE	ILLUMINATION	3	9	MUTE Sense input
BLUE/WHITE	AMP TRIGGER	2	8	CHIME output
RED Relay #86	Relay control #86	1	7	12V CONSTANT

Looking from wire side of plugs

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